Graphiant for Healthcare – Secure, Scalable, and Efficient Networking

SOLUTION BRIEF

The healthcare industry is rapidly evolving with digital transformation, driven by advances in telemedicine, electronic health records (EHRs), and interconnected medical devices.

However, traditional networks struggle to meet the demands of secure data sharing, compliance with regulations like HIPAA, and seamless connectivity across a distributed ecosystem of hospitals, clinics, and remote locations. Graphiant's solutions provide a secure, scalable, and cost-effective network infrastructure tailored to healthcare needs.

Challenges in Healthcare Networking

1. **Data Security and Compliance**

   a. Protecting sensitive patient data while ensuring compliance with regulations like HIPAA and GDPR.

   b. Addressing risks of breaches and unauthorized access across sprawling networks.

2. **Scalability and Flexibility**

   a. Enabling rapid onboarding of new facilities, healthcare providers, and IoT devices.

   b. Adapting to the increasing reliance on telemedicine and mobile health applications.

3. **Cost Management**

   a. Reducing costs associated with maintaining outdated MPLS or VPN-based infrastructures.

   b. Efficiently handling bandwidth-intensive applications like video consultations and medical imaging.

Graphiant's Healthcare Solutions

1. Enhanced Data Security

a. Zero Trust Security Model: Continuous verification of all access requests ensures that only authenticated users and devices interact with the network.

b. End-to-End Encryption: Data in motion is protected against eavesdropping, ensuring patient confidentiality.

c. Micro-Segmentation: Segregates sensitive data flows, minimizing lateral movement of threats in case of a breach.

d. Assurance Posture Scores (GAPS): Monitors data compliance and risk in real time.

2. Scalable and Agile Networking

a. Dynamic Connectivity: On-demand network setup allows healthcare organizations to quickly onboard new locations, staff, and devices.

b. Cloud-Native Integration: Seamlessly connects hybrid and multi-cloud environments for EHR systems and other cloud-hosted applications.

c. Centralized Management: Simplifies monitoring and policy enforcement, reducing IT overhead.

3. Cost Effective Infrastructure

a. Consumption-based Pricing: Reduces capital expenditure by offering a pay-for-what-you-use model.

b. Bandwidth Optimization: Ensures efficient use of resources, lowering operational costs while delivering high performance for mission-critical applications.

For more information or to schedule a demonstration, visit https://graphiant.com/schedule-a-demo.

Graphiant Demo

Use Case:
Medical Partner Connectivity

Challenge
A regional healthcare provider needed secure, low-latency connectivity to partner clinics and services while ensuring HIPAA compliance.

Solution
Implementing Graphiant's Business-to-Business Connectivity as part of its Network-as-a-Service (NaaS), the provider established secure, scalable connections across clinics, cloud environments, and outpatient locations.

Results
- *Reduced Costs:* 40% savings compared to traditional solutions.
- *Improved Performance:* Faster, uninterrupted connections expedite results and information sharing, enhancing patient care.
- *Enhanced Security:* Zero Trust architecture safeguarded patient data.

Why Graphiant for Healthcare?

Graphiant provides the healthcare industry with a future-ready network platform that:

- Meets stringent compliance requirements without compromising data privacy.
- Adapts to evolving demands, including AI-powered diagnostics and decentralized care models.
- Offers predictable costs and measurable ROI.

Conclusion

Graphiant's cutting-edge networking solutions empower healthcare organizations to deliver superior patient care by bridging connectivity, security, and scalability gaps. As healthcare continues to digitize, Graphiant ensures your network remains a step ahead—secure, agile, and cost-effective.

---

graphiant

Next-Gen Networking that is Agile, Performant and Secure   X   in